



Three measures of forest fire smoke exposure and their associations with respiratory and cardiovascular health outcomes in a population-based cohort

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Abstract:

BACKGROUND: During the summer of 2003 numerous fires burned in British Columbia, Canada. **OBJECTIVES:** We examined the associations between respiratory and cardiovascular physician visits and hospital admissions, and three measures of smoke exposure over a 92-day study period (1 July to 30 September 2003). **METHODS:** A population-based cohort of 281,711 residents was identified from administrative data. Spatially specific daily exposure estimates were assigned to each subject based on total measurements of particulate matter (PM)

Source: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3230386>

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Extreme Weather Event

Air Pollution: Particulate Matter

Extreme Weather Event: Wildfires

Geographic Feature:

resource focuses on specific type of geography

Freshwater, Mountain

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Non-U.S. North America

Health Impact:

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Respiratory Effect

Climate Change and Human Health Literature Portal

Cardiovascular Effect: Other Cardiovascular Effect

Cardiovascular Disease (other): cardiovascular hospital admissions and physician visits

Respiratory Effect: Asthma, Other Respiratory Effect

Respiratory Condition (other) : respiratory hospital admissions and physician visits

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Children, Elderly

Resource Type: ☒

format or standard characteristic of resource

Research Article

Timescale: ☒

time period studied

Time Scale Unspecified